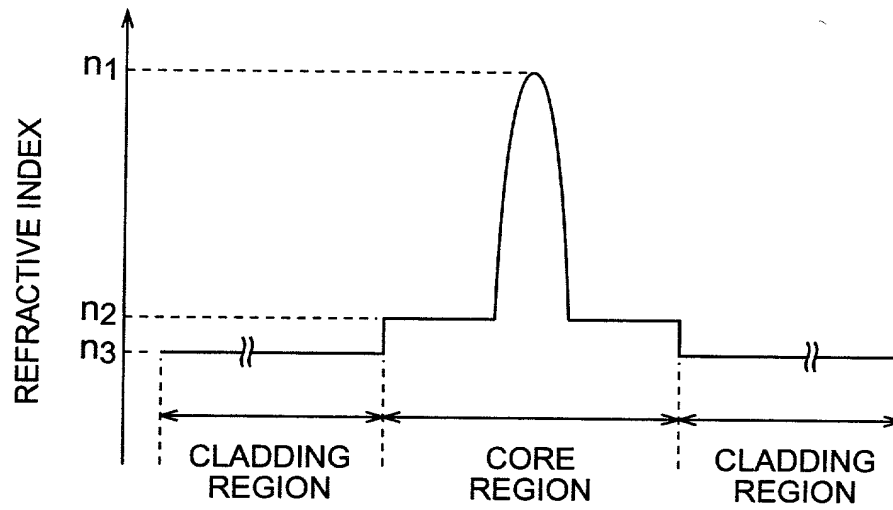
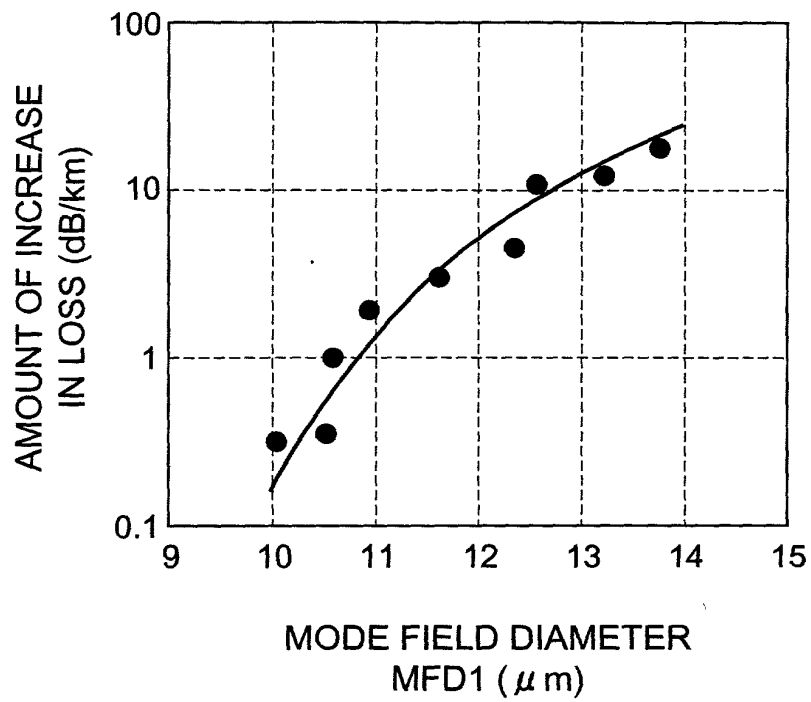
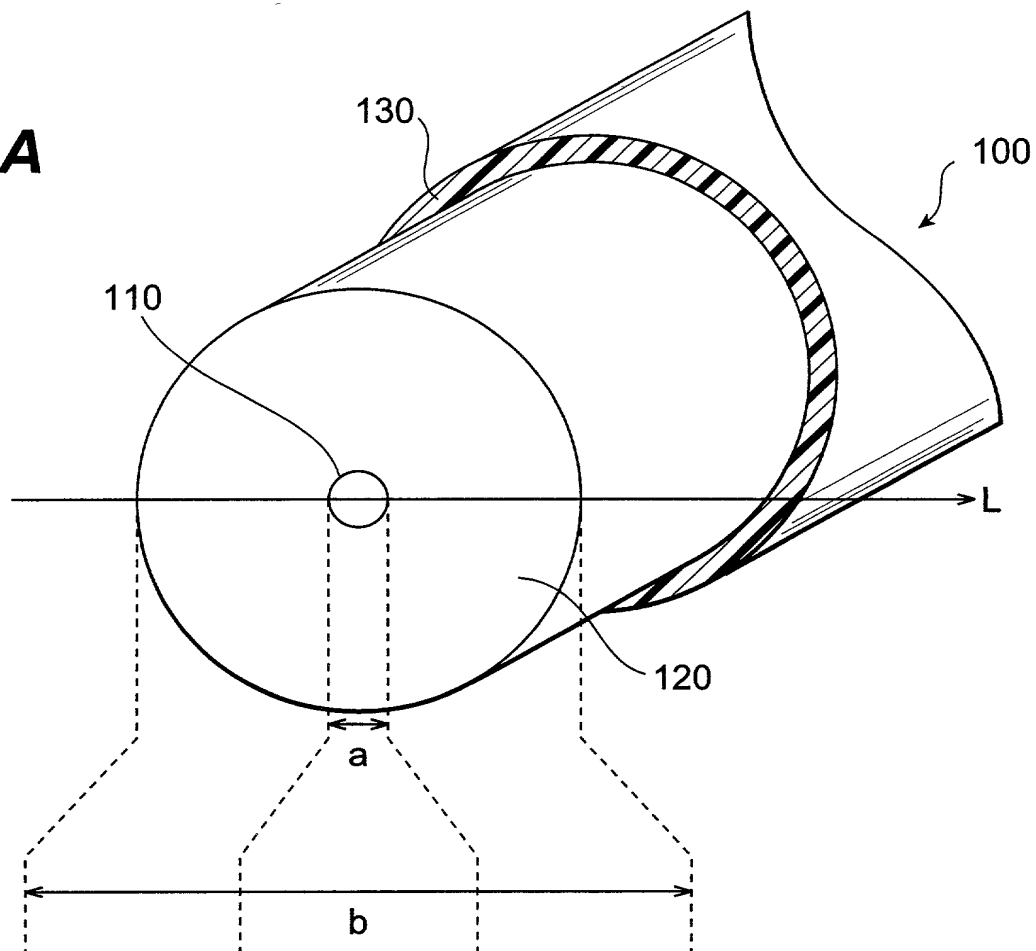
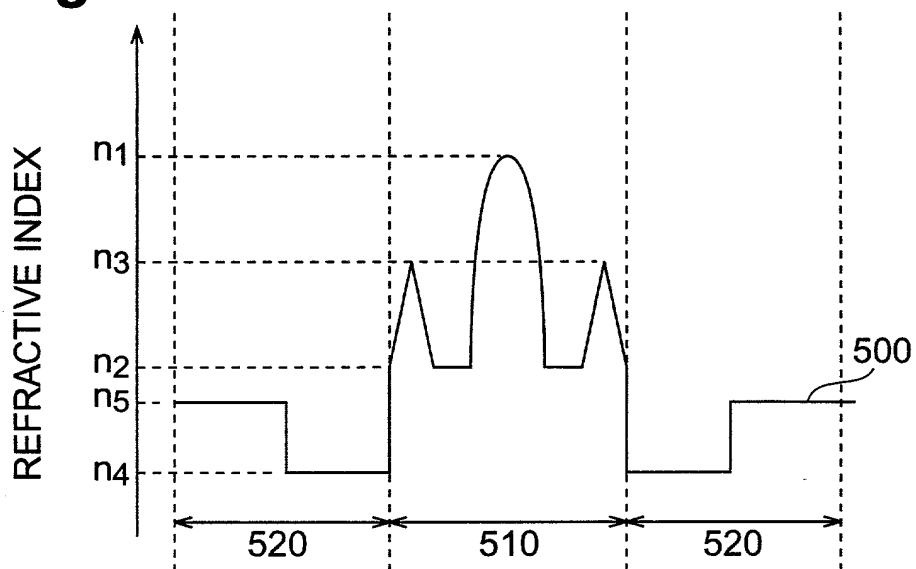
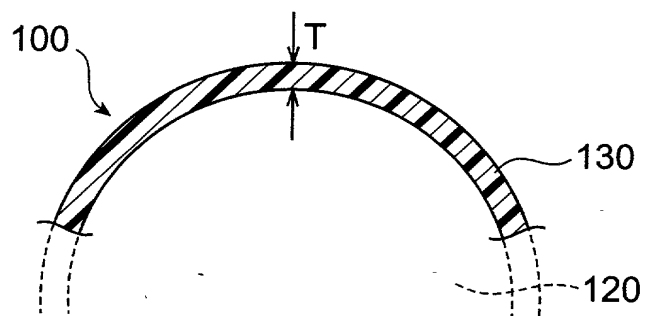


**Fig.1**

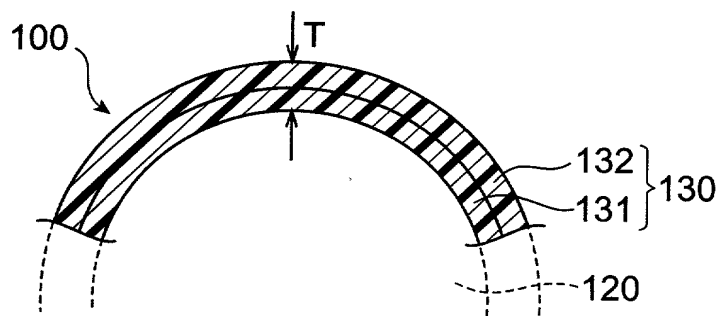
**Fig.2**

**Fig.3A****Fig.3B**

**Fig.4A**

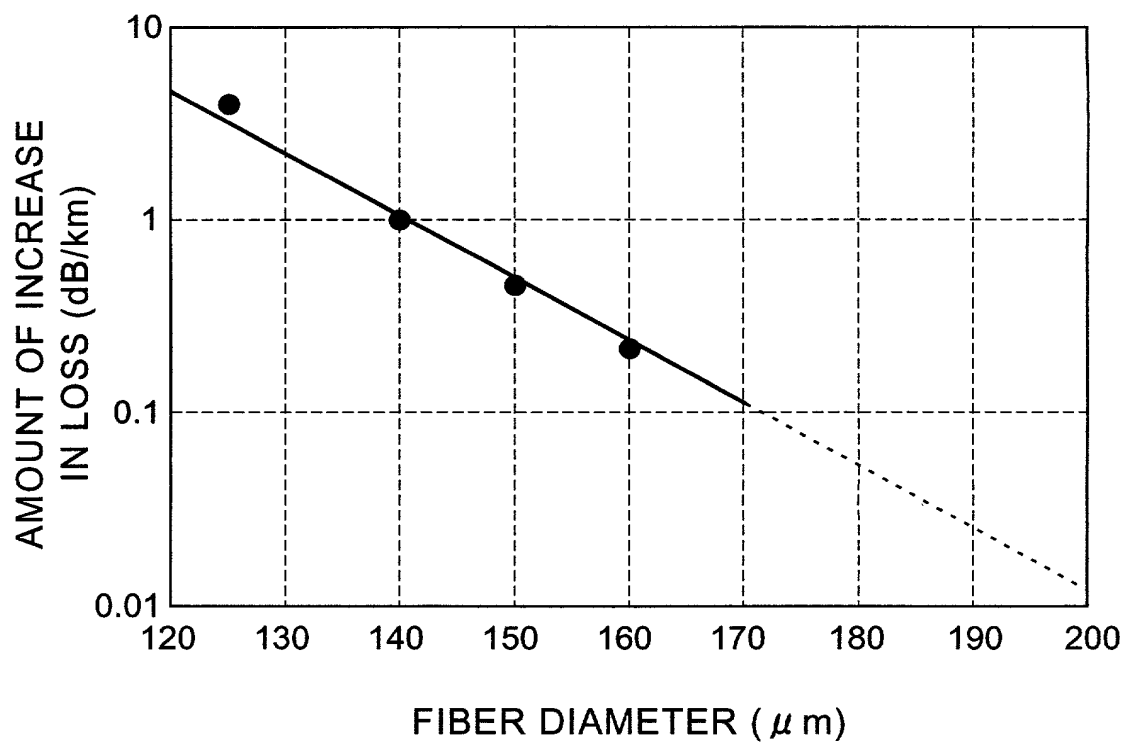


**Fig.4B**

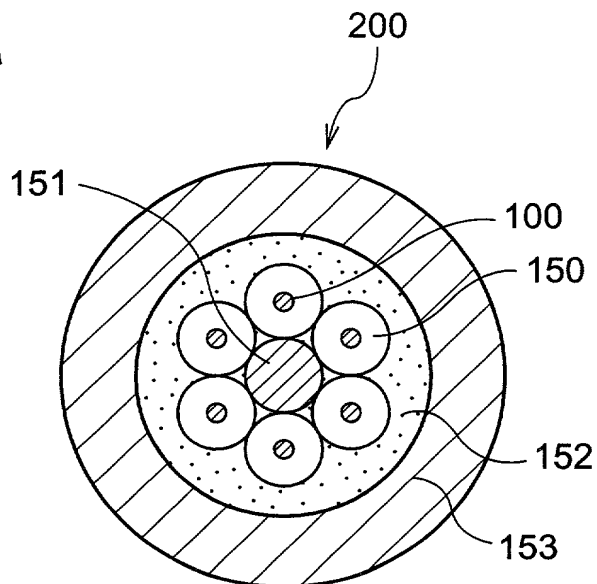


**Fig.5**

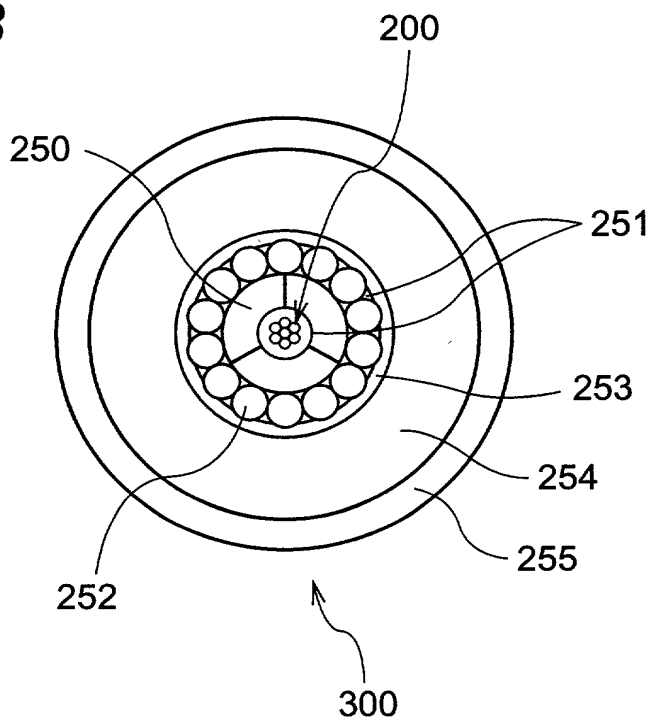
	SAMPLE 1 a	SAMPLE 1 b	SAMPLE 1 c	SAMPLE 1 d
FIBER DIAMETER ( $\mu\text{m}$ )	125.1	139.8	150.4	160.2
MFD ( $\mu\text{m}$ )	11.73	11.84	11.87	11.88
EFFECTIVE AREA ( $\mu\text{m}^2$ )	69.7	71.4	72.1	72.1
CHROMATIC DISPERSION (ps/nm/km)	-2.1	-2.2	-2.0	-1.9
CUTOFF WAVELENGTH ( $\mu\text{m}$ )	1.53	1.51	1.50	1.52

**Fig.6**

**Fig.7A**



**Fig.7B**



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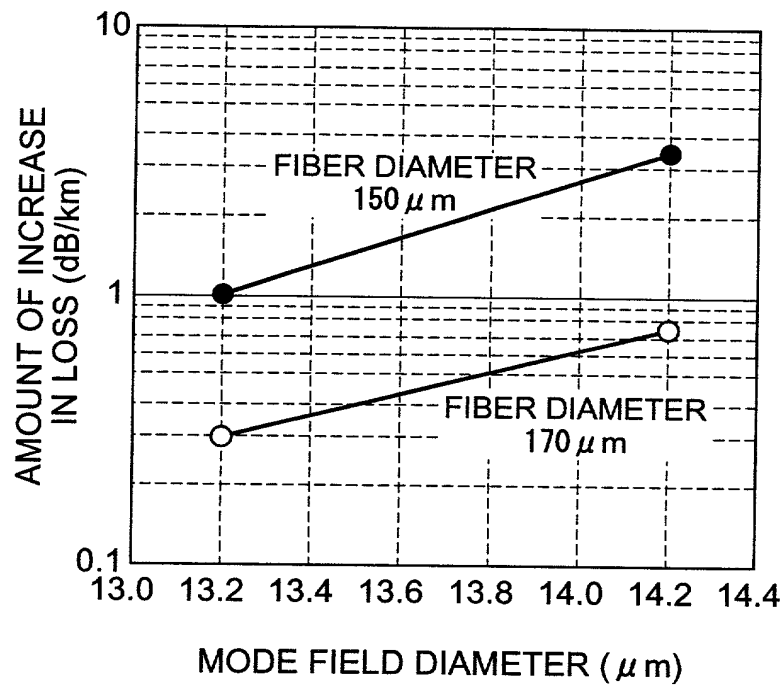
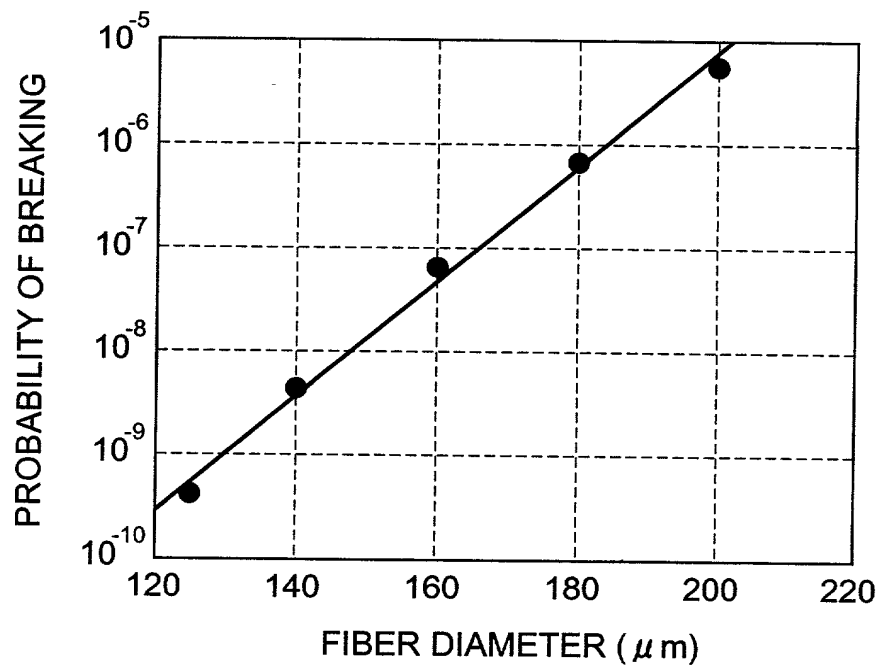
**Fig.8**

	SAMPLE 2 a	SAMPLE 2 b	SAMPLE 2 c
FIBER DIAMETER ( $\mu\text{m}$ )	124.9	125.2	139.6
MFD ( $\mu\text{m}$ )	9.98	10.96	11.06
EFFECTIVE AREA ( $\mu\text{m}^2$ )	54.8	64.8	65.1
CHROMATIC DISPERSION (ps/nm/km)	-2.1	-2.0	-2.2
CUTOFF WAVELENGTH ( $\mu\text{m}$ )	1.53	1.53	1.51

**Fig.9**

	SAMPLE 3 a	SAMPLE 3 b	SAMPLE 3 c	SAMPLE 3 d
FIBER DIAMETER ( $\mu\text{m}$ )	150.1	171.8	150.2	169.3
MFD ( $\mu\text{m}$ )	13.21	13.18	14.20	14.21
EFFECTIVE AREA ( $\mu\text{m}^2$ )	79.7	80.4	90.1	90.4
CHROMATIC DISPERSION (ps/nm/km)	-2.1	-2.2	-2.0	-2.2
CUTOFF WAVELENGTH ( $\mu\text{m}$ )	1.53	1.51	1.50	1.51

10084667.022802

**Fig.10****Fig.11**



**Fig.12**

	SAMPLE4 a	SAMPLE 4 b
FIBER DIAMETER ( $\mu\text{m}$ )	125.1	150.4
MFD ( $\mu\text{m}$ )	11.98	12.17
EFFECTIVE AREA ( $\mu\text{m}^2$ )	69.7	72.1
CHROMATIC DISPERSION (ps/nm/km)	-2.1	-2.2
CUTOFF WAVELENGTH ( $\mu\text{m}$ )	1.53	1.51

20084667.022802

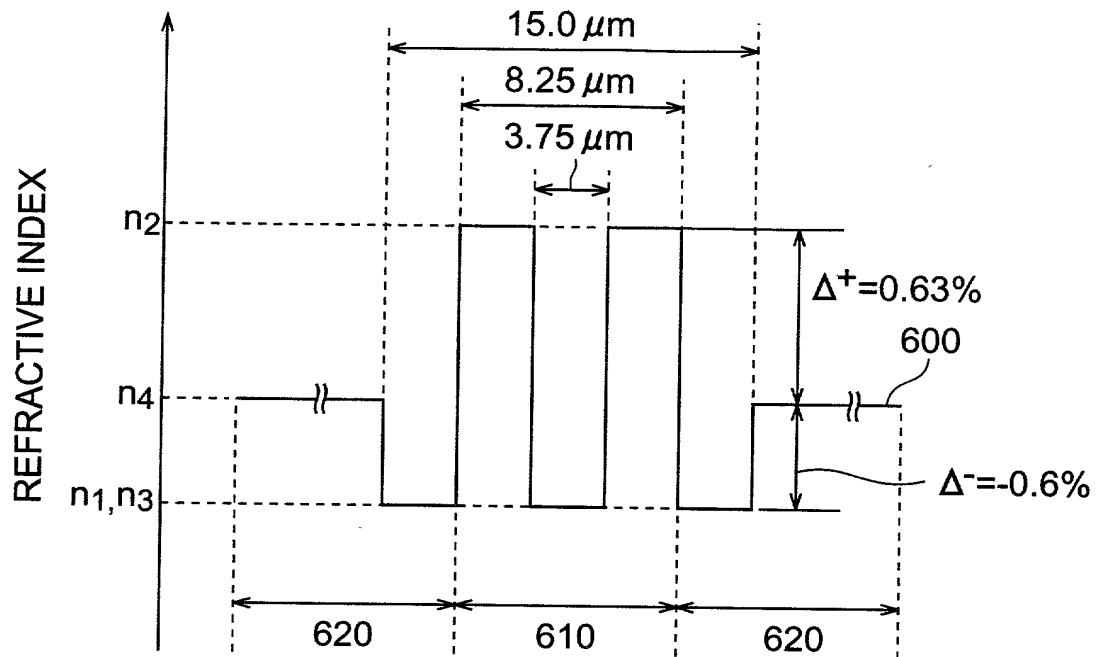
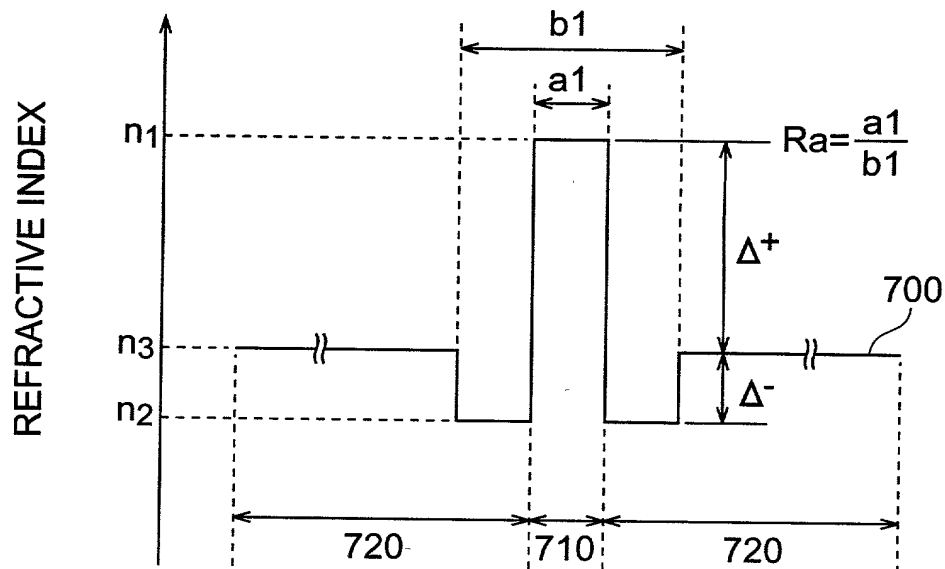
**Fig.13****Fig.14**

Fig.15

